country there are lot more R&D projects coming out. Sir, we have to compete with the rest of the world, and, we are going to improve..(*Interruptions*)..

डा॰ मुरली मनोहर जोशी: सर, अभी मंत्री जी ने कहा था कि वे कम्पलसरी लाइसेंसिंग की व्यवस्था रखेंगे, तो क्या इस प्रोडक्ट पर पेटेन्ट रिजीम के अन्तर्गत वह रहेगी?

DR. ANBUMANI RAMADOSS: Sir, we are totally committed towards...(*Interruptions*)...

SHRI DINESH TRIVEDI: Are you carrying on the policy of 'Health for All'?

DR. ANBUMANI RAMADASS: Sir, we are doing a lot of processes through which the drugs monitoring mechanism is going to be strengthened in the country, and, made more competent with the rest of the world. We are moving towards that. I am committing this before the House that we are towards achieving that goal.

MR. CHAIRMAN: Question Hour is over.

WRITTEN ANSWERS TO STARRED QUESTIONS

Pollution by thermal power plants

†*142. SHRI ABU ASIM AZMI: Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) the total quantum of fly-ash produced in each thermal power plant through the waste products released from these plants annually in the country;

(b) whether any measures have been taken by Government for checking pollutants releasing from the thermal power plants;

(c) if so, the details thereof; and

(d) the total amount being spent annually by Government for the same?

THE MINISTER OF ENVIRONMENT AND FORESTS (SHRI A. RAJA): (a) The total quantum of fly-ash generated in 2003-04 in 120 thermal

†Original notice of the question was received in Hindi.

power plants, including captive power plants, is given in the Statement (*See* below).

(b) and (c) The coal based projects mainly cause air and water pollution due to emission of pollutants like nitrogen oxide, suspended particulate matter, and discharge of effluents from various plant activities. Fly-ash is also generated as solid waste. The remedial measures taken to minimise pollution from thermal power plants include:

- Environmental Impact Assessment of power projects;
- Enforcement of prescribed environmental emission and effluent standards;
- Use of beneficiated coal;
- Time bound action plan for utilization of fly-ash; and
- Regular monitoring and legal action in respect of non-complying units.

(d) The entire expenditure towards abatement of pollution from the thermal power stations is spent by the generating companies as a part of the production cost.

Statement

Fly-ash generated from each of 120 power plants

Sl.No.	Station	Generation (Tonnes)
1	2	3
1	Vijayawada	2594788
2	Rayalaseema	893063
3	Kothagudem	1434365
4	Kothagudem V	1061364
5	Ramagundem 'B' (APPGC)	107793
6	Nellore	64638
7	Ramagundam (NTPC)	3538023
8	Simhadri	1950656

1	2	3
9	Manuguru	116000
10	Paloncha	86000
11	Kamalapuram	22491
12	Sirpur	140872
13	Vishakapatnam	512113
14	Nagaon	41669
15	Cachar	34400
16	Kahalgaon	2319409
17	Barauni	120643
18	Muzaffarpur	27850
19	Korba (NTPC)	4822851
20	Korba (East) (CESB)	826575
21	Korba (West) (CESB)	1826280
22	Korba (Balco)	687778
23	Bhilai (Sail)	53242
24	Bhilai (BESCL)	91476
25	Raigarh	413362
26	Gandhinagar	1181000
27	Ukai	1108667
28	Wanakbori	2794757
29	Sikka	226511
30	Kutch	135572
31	Sabarmati	262499
32	Surat (GIPC)	313821
33	Surat (JK Paper)	27091
34	Panipat	1724469
35	Faridabad	223836

1	2	3
36	Panipat (NFL)	257075
37	Yamunanagar	36500
38	Tenughat	329275
39	Patratu	408000
40	Bokaro (B) (DVC)	759722
41	Chandrapura	365000
42	Jojabera	496000
43	Bokaro (BPSCL)	659255
44	Raichur	2234426
45	Toranagallu	25648
46	Gulbarga	155272
47	Bhadravati	73090
48	Kottayam	34878
49	Amarkantak	284167
50	Satpura	2530954
51	Sanjay Gandhi	1534154
52	Vindyachal	2414028
53	Nepa	20790
54	Amlai	67285
55	Chandrapur	4990022
56	Koradi	1798435
57	Khaperkheda	1807415
58	Bhusawal	773371
59	Nashik	1278185
60	Parli	1145589
61	Paras	98359
62	Dahanu	565917

1	2	3
63	Trombay	32620
64	Bhigwan	60765
65	Ballarpur	83200
66	IB Thermal	1076700
67	Kaniha	2936221
68	Talcher (NTPC)	876220
69	Rourkela (SAIL)	154000
70	Rourkela (NSPCL)	297500
71	Talcher (NALCO)	1830000
72	Damanjodi	512491
73	Hirakud	166697
74	Rayagada	70600
75	Ropar	1921153
76	Bhatinda (PSEB)	556542
77	Lehra Mohabat	716000
78	Bhatinda (NFL)	266000
79	Suratgarh	1178433
80	Kota (RRVUNL)	1244510
81	Kota (Shriram)	144076
82	Tuticorin	2107472
83	Mettur (TNEB)	2081893
84	North Chennai	1319860
85	Ennore	464338
86	Neyveli I	414165
87	Neyveli II	943133
88	Vriddhachalam	68370
89	Mettur (MALCO)	26741
90	Gummidipoondi	37280
91	Pugalur	54614

1	2	3
92	Lalkua	132315
93	Ddri	1530893
94	Rihand	1285020
95	Tanda	910506
96	Unchahar	1776598
97	Singarauli	2779095
98	Panki	294224
99	Harduaganj	284496
100	Parichha	197652
101	Obra	1920426
102	Anpara	2988322
103	Renukoot	2111658
104	Phulpur	113857
105	Budge budge	741217
106	Titagarh	286434
107	Southern	189959
108	Durgapur (DPL)	618006
109	Durgapur (NSPCL)	219555
110	Durgapur (DVC)	382139
111	Mejia	1090946
112	Kolaghat	1850600
113	Bakreswar	592352
114	Bandel	297185
115	Santaldih	246684
116	Chinkuri	15822
117	Farakka	3618613
118	Rajghat	210182
119	Indraprastha	220045
120	Badarpur	1200000
	TOTAL :	106675131